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SHORT DATABASE REPORT

ECOINFORMATICS

KELVEG – Roadside Vegetation of Lithuania

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Abstract

KELVEG – Roadside Vegetation of Lithuania (GIVD EU-LT-002) is a database that documents the diversity of roadside vegetation, tracks and monitors changes of non-native species' impact on the roadsides, and adjacent habitats. The initiative was started in spring 2023. As of March 2025, 628 vegetation plots from randomly selected sites across the country have been included in the database. Vegetation plots were sampled along transects, starting at the edge of the roadside (road shoulder) and ending in an adjacent habitat. In each roadside part (road shoulder, first slope, second slope or flat part and adjacent habitat), 1 m^2 square-shaped vegetation plots were taken. Additionally, 100 m^2 square-shaped vegetation plots were sampled in adjacent habitats. In each vegetation plot, the cover of vascular plants and bryophytes was estimated using a percentage scale, and the cover and height of vegetation layers were measured. The aspect and inclination of slopes were measured using electronic compass and clinometer mobile applications, respectively. In each vegetation plot, soil samples were collected, and agrochemical analysis was performed to evaluate soil/substrate pH, the concentration of total nitrogen, humus, phosphate and potassium oxide, and microbiological activity. The data are available to potential users upon request from the corresponding author.

Keywords

Lithuania, non-native species, plant community, roadside vegetation, tick, vegetation database

PENSOFT

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GIVD Fact Sheet

GIVD Database ID: EU-LT-002			**Last update:** 2025-02-13
KELVEG - Roadside Vegetation of Lithuania		**Web address:**	
Database manager(s): Domas Uogintas (domas.uogintas@gamtc.lt); Viltė Šimanskaitė (vilte.simanskaite@gamtc.lt)			
Owner: Nature Research Centre, developing of database is supported by the Research Council of Lithuania (Nr. S-MIP-23-1).			
Scope: KELVEG - Roadside Vegetation of Lithuania' is a database that focuses on documenting roadside vegetation diversity, tracking changes, and monitoring the impact of alien species on roadside and adjusted habitats.			
Abstract:			
Availability: according to a specific agreement		**Online upload:** no	**Online search:** no
Database format(s): TURBOVEG		**Export format(s):** TURBOVEG, MS Access, Excel, CSV file	
Plot type(s): normal plots		**Plot-size range (m²):** 1 to 100	
Non-overlapping plots: 628	**Estimate of existing plots:** 628	**Completeness:** 100%	**Status:** completed and continuing
Total no. of plot observations: 628	**Number of sources (biblioreferences, data collectors):** 0		**Valid taxa:** 490
Countries (%): LT: 100			
Formations: Forest: 7% = Terrestrial: 7% // Non Forest: 93% = Terrestrial: 93% (Non arctic-alpin: 93% [Semi-natural: 2%; Anthropogenic: 65%])			
Guilds: all vascular plants: 100%; bryophytes (terricolous or aquatic): 27%			
Plot size categories (%): 1-10 m2: 78.7%; 10-100 m2: 21.3%;			
Environmental data (%): slope aspect: 30; slope inclination: 30; surface cover other than plants (open soil, litter, bare rock etc.): 100; other soil attributes: 100; soil pH: 100; other attributes: Total nitrogen, humus, phosphate (P2O5) and Potassium oxide (K2O), microbiological activity.			
Performance measure(s): presence/absence only: 0%; cover: 100%; number of individuals: 0%; measurements like diameter or height of trees: 0%; biomass: 0%; other: 0%			
Geographic localisation: GPS coordinates (precision 25 m or less): 100%; point coordinates less precise than GPS, up to 1 km: 0%; small grid (not coarser than 10 km): 0%; political units or only on a coarser scale (above 10 km): 0%			
Sampling periods: after 2020: 100%			
Information as of 2025-03-31; further details and future updates available from http://www.givd.info/ID/EU-LT-002			

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